PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2004-131747

(43) Date of publication of application: 30.04.2004

(51)Int.CI.

C22C 5/06 G02F 1/1335 G02F 1/1343 // C23C 14/34

(21)Application number: 2002-294462

(71)Applicant:

SUMITOMO METAL MINING CO LTD

(22)Date of filing:

08.10.2002

(72)Inventor:

SHIMIZU JUICHI

(54) SILVER ALLOY FOR DISPLAY DEVICE, AND DISPLAY DEVICE USING ELECTRODE FILM OR REFLECTION FILM FORMED BY USING THE SILVER ALLOY

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a silver alloy which has low electric resistance, is excellent in adhesion with a nonmetallic material and corrosion resistance, also has high reflectivity and high thermal stability, and is suitably used as the electrode film or reflection film of various display devices, and to provide a display device capable of a high definition display by using the silver alloy thin film as the electrode film.

SOLUTION: The silver alloy for a display device has a composition consisting essentially of Ag, and comprising 0.001 to 0.1 mass% of one or more kinds of elements selected from the group consisting of Ca, Sr, Ba, Y, La, Ce, Pr, Nd, Sm, Eu, Zr, Cr, W, Ru and Ni, and the balance inevitable impurities. The silver alloy preferably comprises 0.1 to 5 wt.% of one or more kinds of elements selected from the group consisting of Zn, Mg, Au, Pd, Cu, Sn and In as well. The film formed using the silver alloy as a target can be used as the electrode film or reflection film of various display devices.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's

decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office